GPS Vehicle Magnet Tracker

Manual
Model : AT-17

PREFACE

Thank you for purchasing the GPS Tracker . This manual shows how to operate the device smoothly and correctly . Make sure to read this manual carefully before using this product . please note that specification and information are subject to changes without prior notice in this manual .Any change will be integrated in the latest release . The manufacturer assumes not to be responsible for any errors or omissions in this document .

The AT-17 combined with the GSM and GPS technique and use the fireproofing material that arrived Industry standard which is 6PCS 18MM×3MM super magnet and IPX-5， the internal battery is 8000MAH that can standby 100 days. The AT-17 can track the vehicle and person's position by SMS and GPRS on line tracking software.

Application Fields

- Car Rental/Fleet Management
- Out Door Activity
- Children/Old Man/Deformed Man/Valuables
- Personal Safe
- Personal Management
- Tracking Position
- Animal Protection

1. Specification

Item	Standard
Recharge Voltage	DC 5V/1000mA (MICRO USB)
Internal battery	8000 mAh (3.7V)
Dimension	130 mm × 72 mm × 20mm
Weight	300g (include battery)
Work Temperature	-20° to 55° C
Work Humidity	5% to 95% Non-condensing
GSM Module	GSM 850/900/1800/1900Mhz
GPS Chipset	UBLOX7020
GPS Sensitivity	--162Db
GPS Frequency	L1, 1575.42 MHz
C/A Code	1.023 MHz chip rate
Channel	56 channel all-in-view tracking
Position Precision	10 meters, 2D RMS
Speed Precision	0.1 m/s
Time Precision	Satellite Time 1 microsecond synchronization
Default Date	WGS-84
Update Time	Average 0.1 sec.
Hot Start	Average 1 sec.
Warm Start	Average 30 sec.
Cold Start	Average 32 sec.
Maxi height	18,000 meters (60,000 feet) max.
Maxi Speed	515 meters/second (1000 knots) max.
Maxi Acceleration	Less than 4g

Moment Move	20 m/sec
Standby	100 Days
LED Light	Three LED light for recharge、GPS、GSM Status

2. Product Listing

- 5V 8000MA Charger (1PCS)
- USB Cable for charging (1PCS)
- User Manual (CD)
- GPS TRACKER AT-17 (1PCS)

3 .How to install the SIM Card in the AT-17

3.1 Open the package, check the model and accessories whether correct and full ,or contact your seller
3.2 Get ready a SIM Card .
3.3 Disconnect the waterproof bloc, insert the SIM Card .

Pay Attention:

（1）Tracker will switch on automatically after insert the SIM card
（2）SIM Card should open the GPRS function
（3）SIM Card should open the “Caller ID display” function
（4）If your SIM Card is open and need enter SIM PIN, please check your mobile phone user manual and close the SIM PIN function
（5）Please confirm that the SIM Card have enough money。
（6）To avoid the stealer break it, please put the tracker in a covert place
（7）Do not put the tracker near the emissive source
（8）Tracker have internal GSM and GPS antenna, please ensure that the tracker should face the sky without any metal block it

3.4 LED Status

3.5 Red Light- Recharge

LED Status	Description
Light On	Recharging
Light Off	Normally Work or Full Power

3.6 Orange LED - GSM

LED Status	Description
Light On	GSM Work Normally
Light Flash	No GSM or GSM search net

3.7 Blue LED - GPS

LED Status	Description
Light On	GPS work normally
Light Flash	NO GPS or GPS search signal

4. Tracker Recharge

Please recharge above 12 hours in the first recharging and use the original charger and battery.

Pay Attention ：

（1） Our battery have chemical composition ,please do not break or stick and throw it in the fire .

（2） Please keep the batter have enough power

5. Work Mode

This tracker have two work mode which is SMS and GPRS Mode. SMS mode is for off line tracking by Mobile phone. GPRS Mode is for on line tracking by computer and mobile phone .

6. Tracker Default Work Mode

The Original password of the tracker is : 0000

The Default work mode is : SMS Mode

The Default Voice is : ON

The GPS work status : A is mean gps work normally . V is mean no gps

The Battery Status : 5 is mean 100% power, 1 is mean 20% power

Detail Operation

1. Controller phone number

Command: Controller phone number+User password+Space+Sequence number (1-3)
Eg: 139504456780000 1
Reply : SET OK
Note: 1. Tracker can support three pre-saved number
2. New Number can cover the old number
3. No pre-saved number also can control the tracker, but alarm information only to pre-saved number

Delete Pre-saved number command：
D101# （delete the first one pre-saved number）
D102# （delete the second pre-saved number）
D103# （delete the third pre-saved number）

2. Change user password

Command: 777+new password +old password (4 figures)
Eg: 77712340000
Reply: SET OK

3. Work Mode Exchange

SMS Mode Command：700+ user password
Eg: 7000000
Reply: SET OK

GPRS Mode Command：710+ user password
Eg: 7100000
Reply: SET OK

4. Get Position by SMS

Command 1：666+Password
Eg : 6660000
Reply: when the tracker receive the command, then will send the position with longitude and latitude to the sender, sender can get the current position by the comptuer from the longitude and latitude information .

Command 2：669+Password
Eg : 6690000
Reply: when the tracker receive the command, then will send the position with google link to the sender, sender can open the google link to check the current position .

Explanation： Any phone number can send command to the tracker to get the position from the tracker. (without admin number)

5. Monitor

Command：66
Reply : SET OK
Explanation : Only the pre-saved number send command to the tracker, then tracker will call the phone number and be the monitor mode .

6 . Shake Alarm

Open Shake Alarm Command：181+Password+TXX
Eg : 1810000T05
Reply : SET OK

Close Shake Alarm Command : 180+Password
Eg : 1800000
Reply : SET OK
Explanation : T is the time of shake, the range is ：【0，120】， unit is : second
Note : Only send alarm message to the first pre-saved number

7 . Get Position by Phone

Any Phone call the tracker, tracker will reply a position message to the sender, if the tracker no gps , user call the tracker, tracker will reply a incorrect message to the sender, once gps work normally, tracker will send a new message to the sender again. That is mean one call and two message if no gps and one call with one message if gps work normally .

8. Daily Report

Command: 665+user password+HHMM

Eg: 66500001022

Reply : SET OK.

Close Daily report: 665+user password+OFF

Eg: 6650000OFF

Reply : SET OK

Note: HH stands for hour with defined range of [00, 23]. MM stands for minute with defined range of [00, 59].

Note : Only send Daily Report to the first pre-saved number

9. Geo Fence (The Default is 500 meter)

Turn On Geo-fence
Command: 211+ password
Eg: 2110000
Reply: SET OK

Set Geo Fence Command: 005+user password+Space+D
E.g: 0050000 1000 (1000meter)
Reply: SET OK

Turn geo-fence off
Command: 210+ password
Eg: 2100000
Reply: SET OK
Note : Only send alarm message and call to the first pre-saved number

10. Overspeed Alarm

Command : 122+user password+Space+Speed

Eg: 1220000 120

Reply: SET OK

Close command : 122+user password+0

Eg : 1220000 0

Reply : SET OK

Note : X is speed benchmark value, which is an integral number. unit is KM/H with defined domain of [0, 999].
Note : Tracker will send alarm message and call to the Three pre-saved number

11. Low Power Alarm

While device detect internal battery is low power, it will send low power alarm sms to the first pre-saved number .

12. Time Zone Exchange

Command: 896 + user password + D + NN

Eg: 8960000E08

Reply : SET OK

The Way to set Zero Time Zone : 896+user password+space+00

Eg : 8960000 00

Note : The Default time zone is : 0 Time Zone

13、Voice Alarm Function

Voice ON： 150+User Password
Eg：1500000
Reply： SET OK

Voice OFF： 151+User Password
Eg：1510000
Reply：SET OK
Explanation：Tracker in voice on mode, phone alarm open, trakcer in voice off mode , phone alarm off .

14. Set Sleep Mode ON/OFF

Open Sleep Mode Command : SLEEP+User Password+Space+Time

Eg : SLEEP0000 1

Reply : SET OK

Close Sleep Mode Command : SLEEP+User Password+Space+0

Eg : SLEEP0000 0

Reply : SET OK
Explanation : Time is mean Sleep Time, the unit is : minute . when tracker above the set time without receive any command, Tracker will close gps/gsm/power in sleep mode for save power, once shake, tracker will wake up again and follow this cycle automatically .

For GPRS Work Mode :

15. Set Access Point Name (APN)

Command 1： 803+user password+Space
+APN

Eg：8030000 CMNET
Reply : SET OK
Command2:803+userpassword+Space+APN+Space+APN user name+Space+APN password
Eg : 8030000 CMENT intert internet
Reply: SET OK

16. Set server IP and Port

Command：804+user password+Space+IP+Space+Port
Eg: 8040000 115.160.150.155 8080
Reply: SET OK

17. Set Data upload interval time (The default time is 20 seconds

Command : 805+User Password+Space+Time
Eg : 8050000 20
Reply: SET OK

Note : X is mean interval time, the unit is second，the wide is 【1，18000】

Special Command：

Reset Command : RESET
Read the current setup information Command : RCONF